

MSDS For: PERLITE--ALL GRADES

Material Safety Data Sheet

PERLITE--ALL GRADES

MANUFACTURER: GRACE-SIERRA HORTICULTURAL PRODUCTS CO.

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Milpitas, CA 95035 (408) 263-8083

MSDS Number: Sierra/0420592

REVISION: 1

DATE: 05/28/92

NATIONAL PAINT AND COATINGS ASSOCIATION HAZARDOUS MATERIAL

IDENTIFICATION SYSTEM: Health Hazard - 1 - Slight; Flammability Hazard - 0 - Minimal; Reactivity Hazard - 0 - Minimal; Personal Protection - See MSDS Section VIII.

SECTION I MATERIAL IDENTIFICATION

TRADE/MATERIAL NAME: PERLITE--ALL GRADES

DESCRIPTION: Plant bed or Planting media

CAS #: 73763-70-3

CHEMICAL NAME: Amorphous Siliceous Mineral-Silicate

SARA TITLE III SECTION 302 INGREDIENT: No

SARA TITLE III SECTION 313 INGREDIENT: No

CALIFORNIA PROP. 65: WARNING. Substances known to the State of California to cause cancer, birth defects or other reproductive harm may be present in this product (California Health and Safety Code 25249.)

SECTION II INGREDIENTS AND HAZARDS

INGREDIENT NAME & CAS #	PERCENT	EXPOSURE LIMITS:
Perlite	100	None
CAS # 73763-70-3		
Quartz	< 1%	TWA 10 mg/m3/% SiO2+2 respirable (OSHA PEL). 0.1 mg/m3 TWA (ACGIH). 0.1 mg/m3 8hr OEL (Alberta). 0.1 mg/m3 TWAEV, 0.2 mg/m3 CEV (Ontario). 30 mg/m3/% SiO2+2 total & 10 mg/m3/% SiO2+2 respirable (B.C. and Quebec).
CAS # 14808-60-7		
Total Dust	N/A	10 mg/m3 TWA (ACGIH). 10 mg/m3 8hr OEL (Alberta). 10 mg/m3 8hr, 20 mg/m3 15 min (British Columbia). 10 mg/m3 TWAEV (Ontario). 10 mg/m3 8hr (Quebec).
Respirable Dust	N/A	5 mg/m3 TWA (ACGIH). 5 mg/m3 8hr OEL (Alberta). 5 mg/m3 8hr (Quebec).

This product is classified as non-hazardous for transportation purposes.

All exposure limits are for airborne 8-hour time-weighted averages, unless otherwise indicated and apply only to occupational exposures.

The ACGIH Threshold Limit Values for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m3 total, 5 mg/m3 respirable.

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SECTION III PHYSICAL DATA

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APPEARANCE & ODOR: Whitish free-flowing aggregate.  
BOILING POINT: N/A  
VAPOR PRESSURE: N/A  
% VOLATILE BY VOLUME: None  
VAPOR DENSITY (Air=1): N/A  
EVAPORATION RATE: N/A  
WATER SOLUBILITY (%): None  
SPECIFIC GRAVITY (H2O=1): N/A  
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SECTION IV FIRE AND EXPLOSION DATA

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FLASH POINT (Method): N/A  
LIMITS: LEL %: N/A UEL %: N/A  
NFPA FLAMMABLE/COMBUSTIBLE LIQUID CLASSIFICATION: N/A  
EXTINGUISHING MEDIA: N/A  
AUTOIGNITION TEMP: N/A  
SPECIAL FIRE-FIGHTING PROCEDURES: N/A  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known  
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SECTION V REACTIVITY DATA

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Material is stable. Hazardous polymerization cannot occur.  
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SECTION VI HEALTH HAZARD INFORMATION

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THIS PRODUCT IS CONSIDERED A CARCINOGEN BY IARC.

SUMMARY OF RISKS: Direct contact may irritate EYES. SKIN contact is not expected to cause harmful effects. Material is not considered harmful by INGESTION. INHALATION of dust may irritate nose, throat and lungs, which may cause coughing, sneezing and minor upper respiratory tract irritation, typical of nuisance dust exposure. Long term excessive exposure to quartz dust, present in common soil mix ingredients such as perlite, gypsum and sand may cause risk of lung damage (silicosis).

This product contains ingredients which may contain small amounts of quartz (crystalline silica), which has been classified as a Group 2a probable carcinogen by IARC, a unit of the World Health Organization. This material has not been classified as a carcinogen by NTP and/or OSHA.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: Skin abrasions and sores. Respiratory problems.

TARGET ORGANS: Eyes and respiratory tract.

PRIMARY ENTRY ROUTE(S): Ingestion, inhalation.

ACUTE EFFECTS: See summary.

CHRONIC EFFECT(S): See summary.

SIGNS & SYMPTOMS OF OVEREXPOSURE:

EYE CONTACT: See summary.

SKIN CONTACT: See summary.

INHALATION: See summary.

INGESTION: See summary.

FIRST AID:

EYE CONTACT: DO NOT rub eyes. Flush thoroughly with running

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water for 15 minutes. If irritation, blinking or tearing occur and persist, contact a physician.

SKIN CONTACT: Wash with soap and water.

INHALATION: If prolonged inhalation of dust occurs, remove victim to fresh air. If symptoms of irritation occur and persist, contact a physician.

INGESTION: Adverse health effects are not expected if swallowed. Contact a physician if adverse symptoms occur.

Seek medical help for further treatment, observation, and support after first aid.

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SECTION VII SPILL, LEAK AND DISPOSAL PROCEDURES  
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SPILL/LEAK PROCEDURES: Avoid dusting conditions during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose. Keep spills away from drinking water supplies. After cleaning up spill, flush area with water.

WASTE MANAGEMENT/DISPOSAL: If product is contaminated, dispose of in an approved landfill disposal facility, in accordance with applicable Federal, State and Local regulations.

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SECTION VIII SPECIAL PROTECTION INFORMATION  
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PERSONAL PROTECTIVE EQUIPMENT:

GOGGLES: Safety glasses with side shields or goggles are recommended to prevent eye contact with dust particles.

GLOVES: None required for normal use. If prolonged or repeated use irritates skin, use neoprene or PVC gloves.

RESPIRATOR: Not generally required. If airborne dust levels are high or irritation occurs, use NIOSH approved respirator for dusts, mists and fumes.

OTHER: Normal work clothes.

WORKPLACE CONSIDERATIONS:

VENTILATION: Not generally required but local exhaust and/or mechanical ventilation should be used where available.

SAFETY STATIONS: Running water should be available in case material gets in eyes.

OTHER: Ingredients with occupational exposure limits comprise a small percentage of the total product. For this reason, it is not expected that these limits will be exceeded unless the nuisance dust standards are exceeded (see Section II).

CAUTION! MAY CAUSE SLIGHT IRRITATION.

Avoid contact with eyes.

Avoid creating dust.

Provide adequate ventilation and respiratory protection if necessary.

KEEP OUT OF CHILDREN'S REACH.

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SECTION IX SPECIAL PRECAUTIONS  
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ENGINEERING CONTROLS: None required.

OTHER PRECAUTIONS: Wash hands with soap and water after handling product.

DOT SHIPPING NAME: N/A

SURFACE FREIGHT CLASSIFICATION: Perlite--other than crude.

CANADIAN GOVERNMENT INFORMATION

WHMIS CLASS: Not controlled.

DOT CLASS: N/A

UN REGISTER: N/A

PREPARED/REVISED BY: M. Lowman  
07/06/92

N/A = Not applicable

The information provided in this Material Safety Data Sheet applies only to the intact product used as directed on the package label.

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, GRACE-SIERRA makes no representations as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, GRACE-SIERRA will not be responsible for damages of any kind resulting from the use of or reliance on such information.